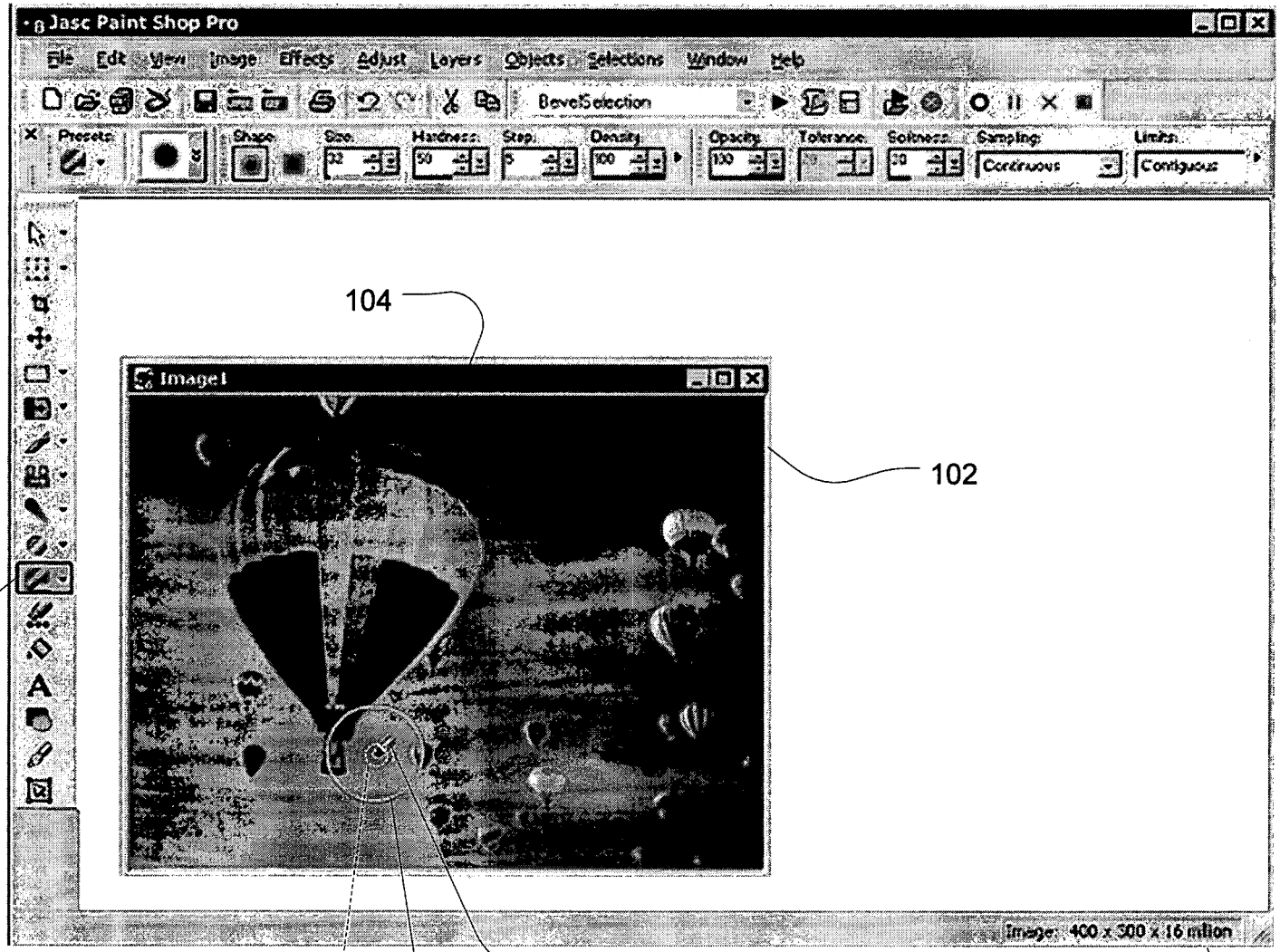

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Fig. 1

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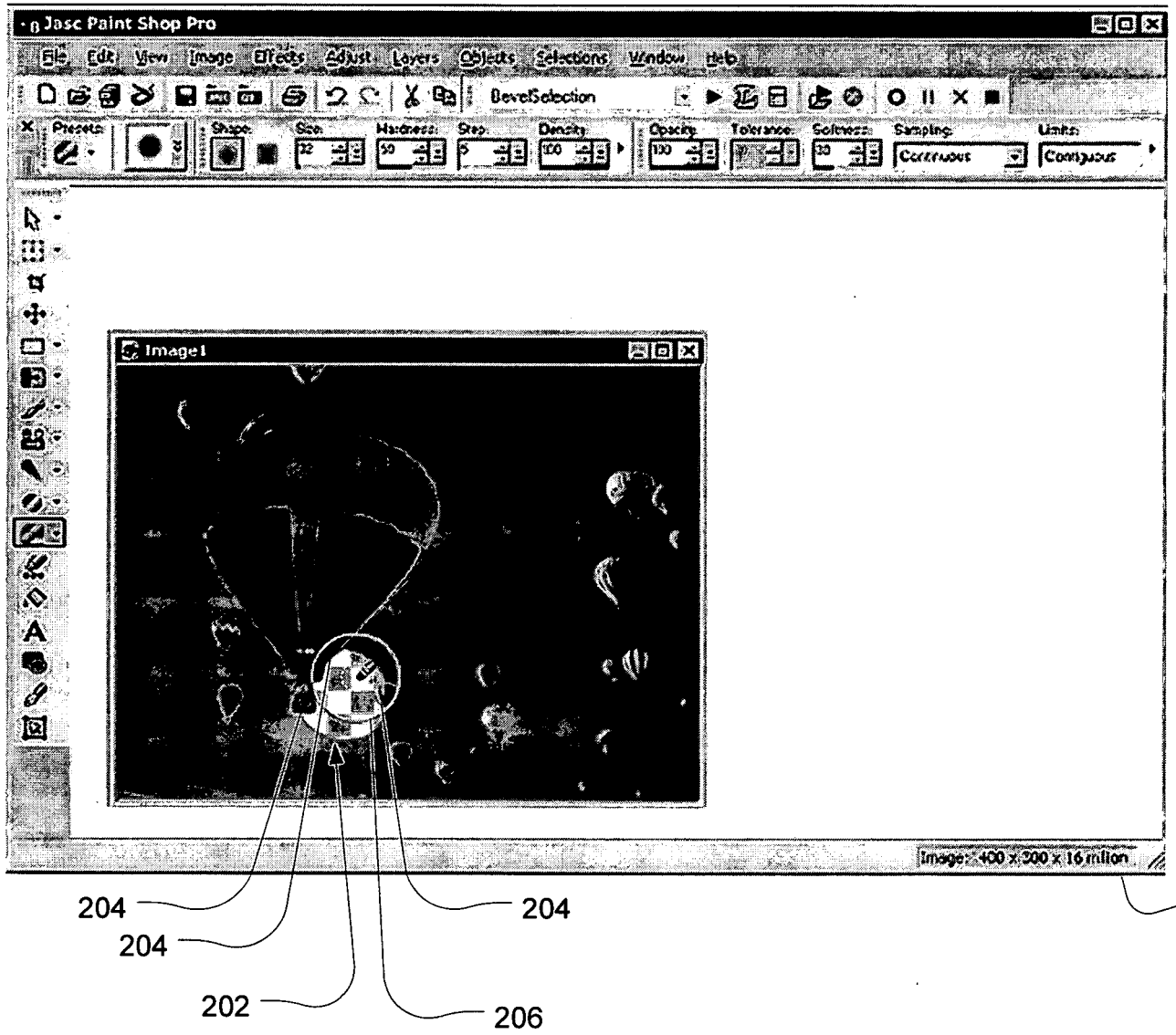


Fig. 2

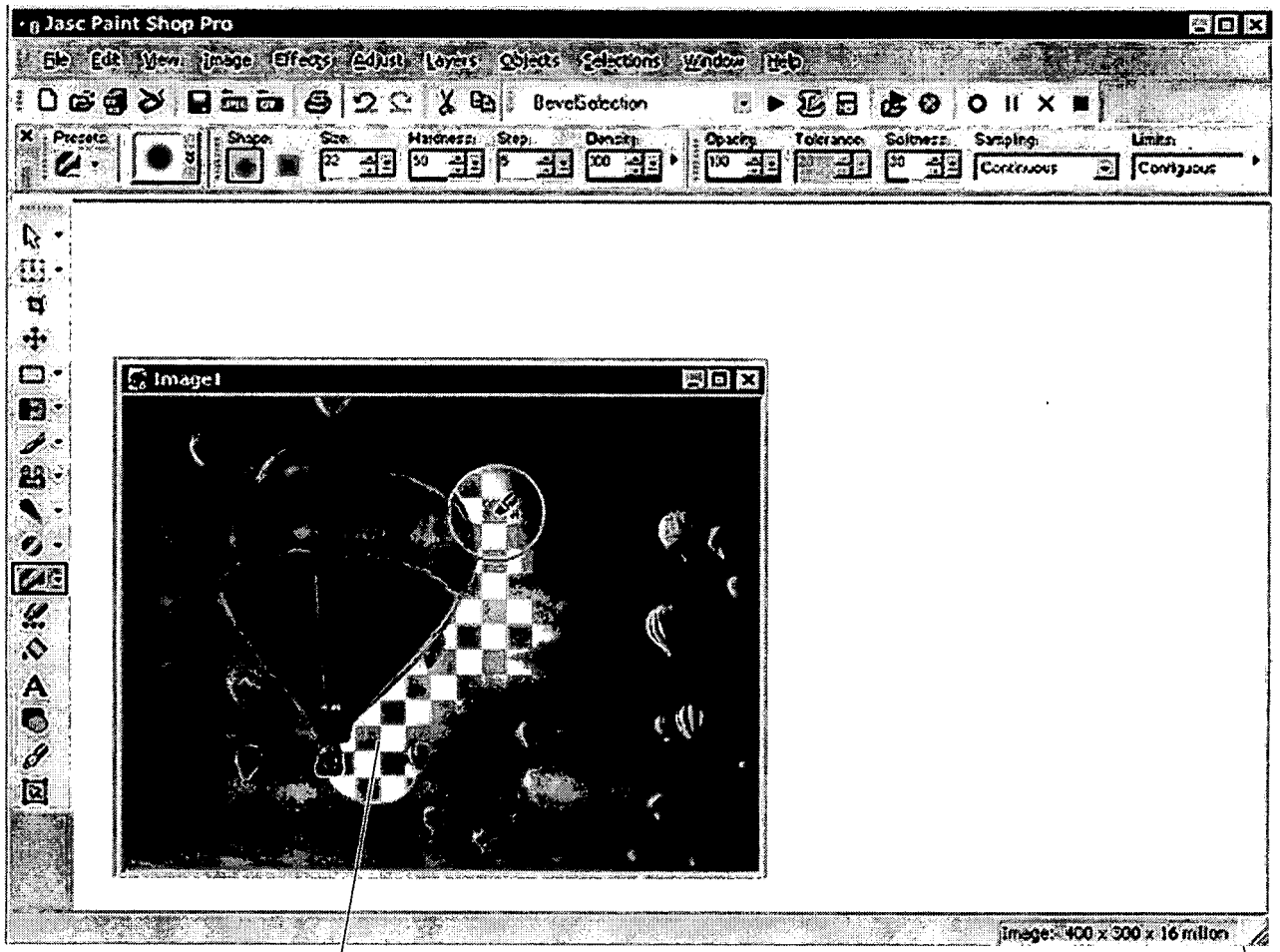

Jasc Paint Shop Pro
File Edit View Image Effects Adjust Layers Objects Selections Window Help
BevelSelection
Preset: Shape: Size: Hardness: Step: Density: Opacity: Tolerance: Softness: Sampling: Limits:
Continuous
Contiguous
Image1
Image: 400 x 300 x 16 million
300
302

Fig. 3

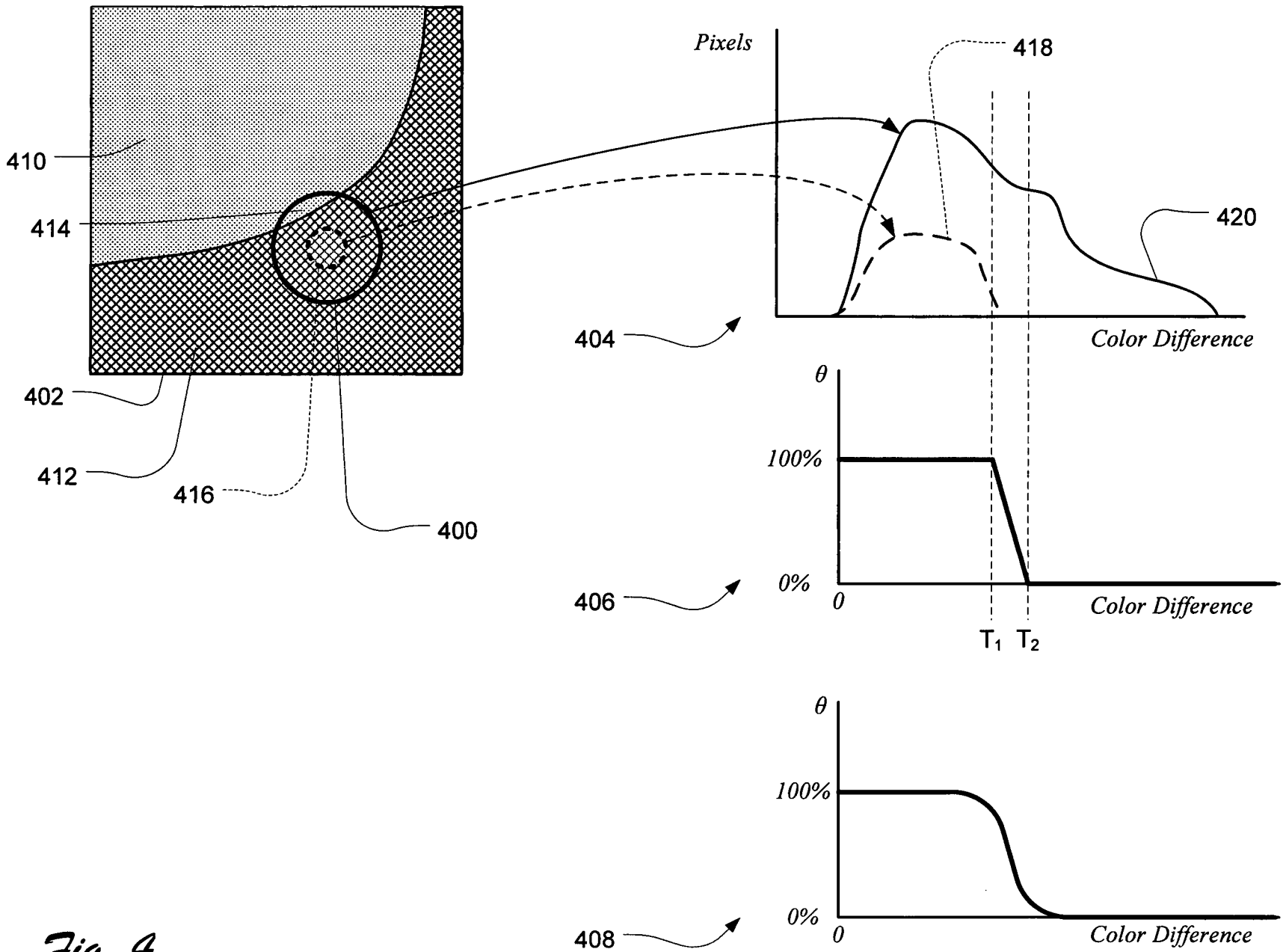

410
414
402
412
416
400
Pixels
418
420
404
Color Difference
θ
100%
0%
0
406
Color Difference
T1 T2
θ
100%
0%
0
408
Color Difference

Fig. 4

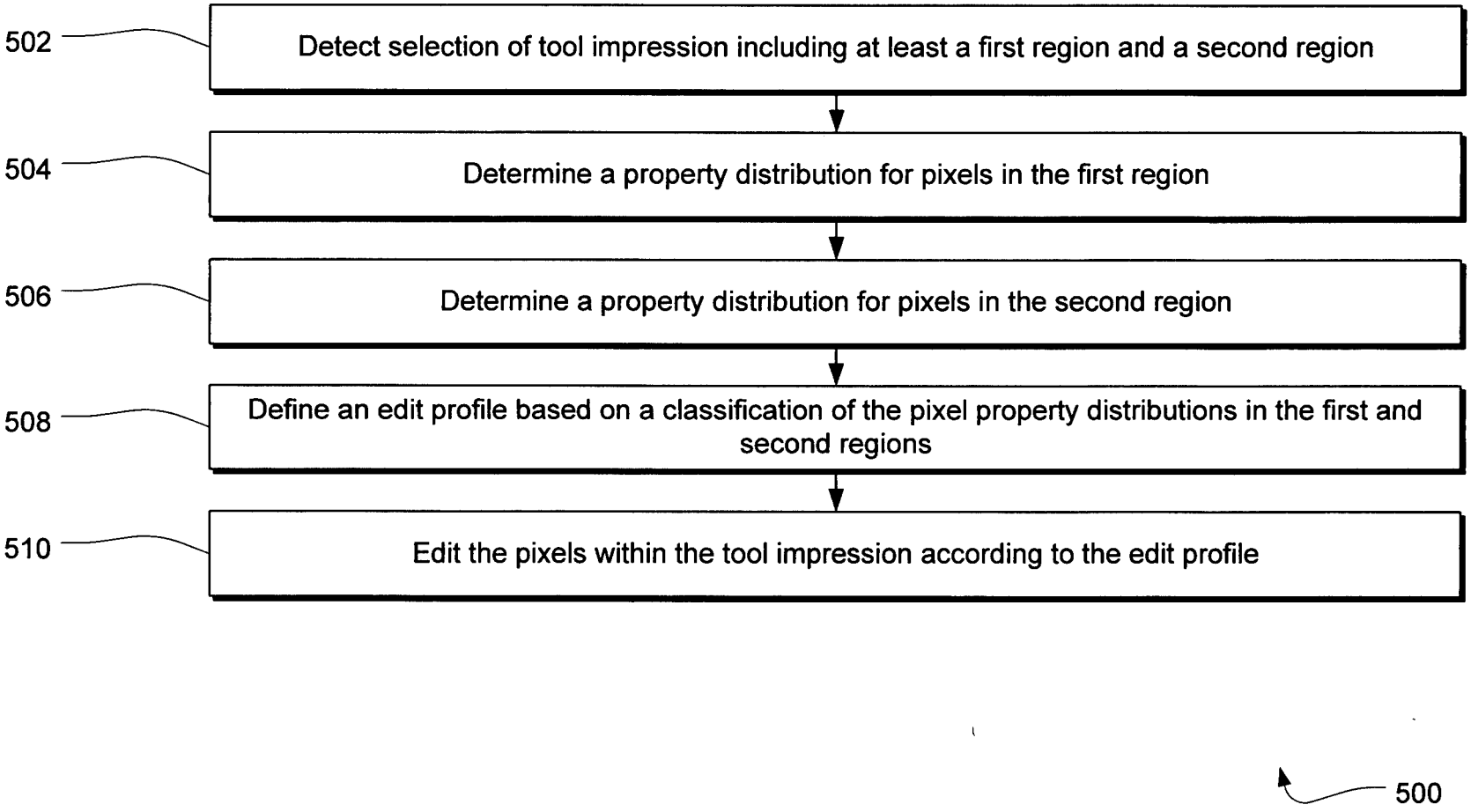

502
Detect selection of tool impression including at least a first region and a second region
504
Determine a property distribution for pixels in the first region
506
Determine a property distribution for pixels in the second region
508
Define an edit profile based on a classification of the pixel property distributions in the first and second regions
510
Edit the pixels within the tool impression according to the edit profile
500

Fig. 5

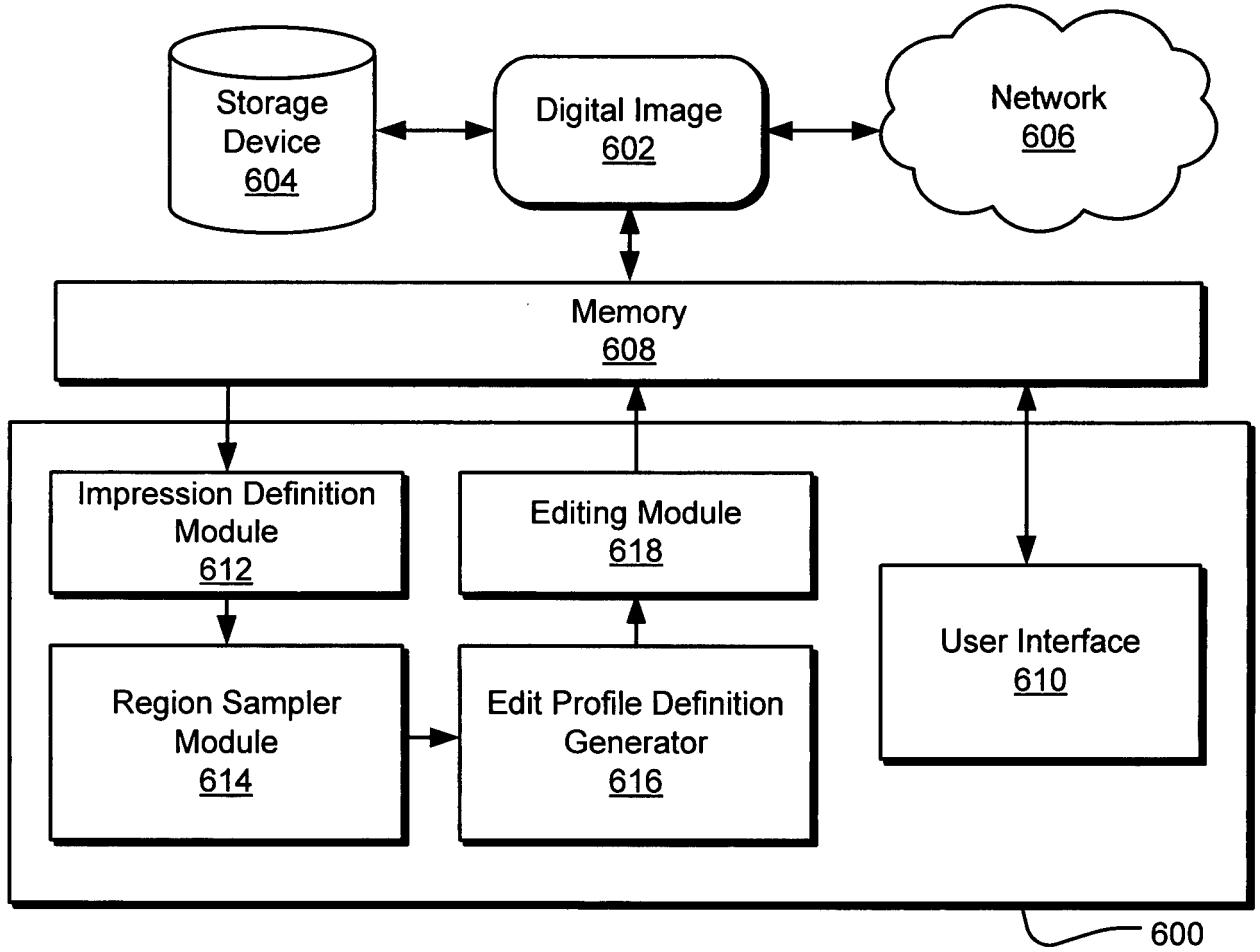

Storage Device 604
Digital Image 602
Network 606
Memory 608
Impression Definition Module 612
Editing Module 618
User Interface 610
Region Sampler Module 614
Edit Profile Definition Generator 616
600

Fig. 6

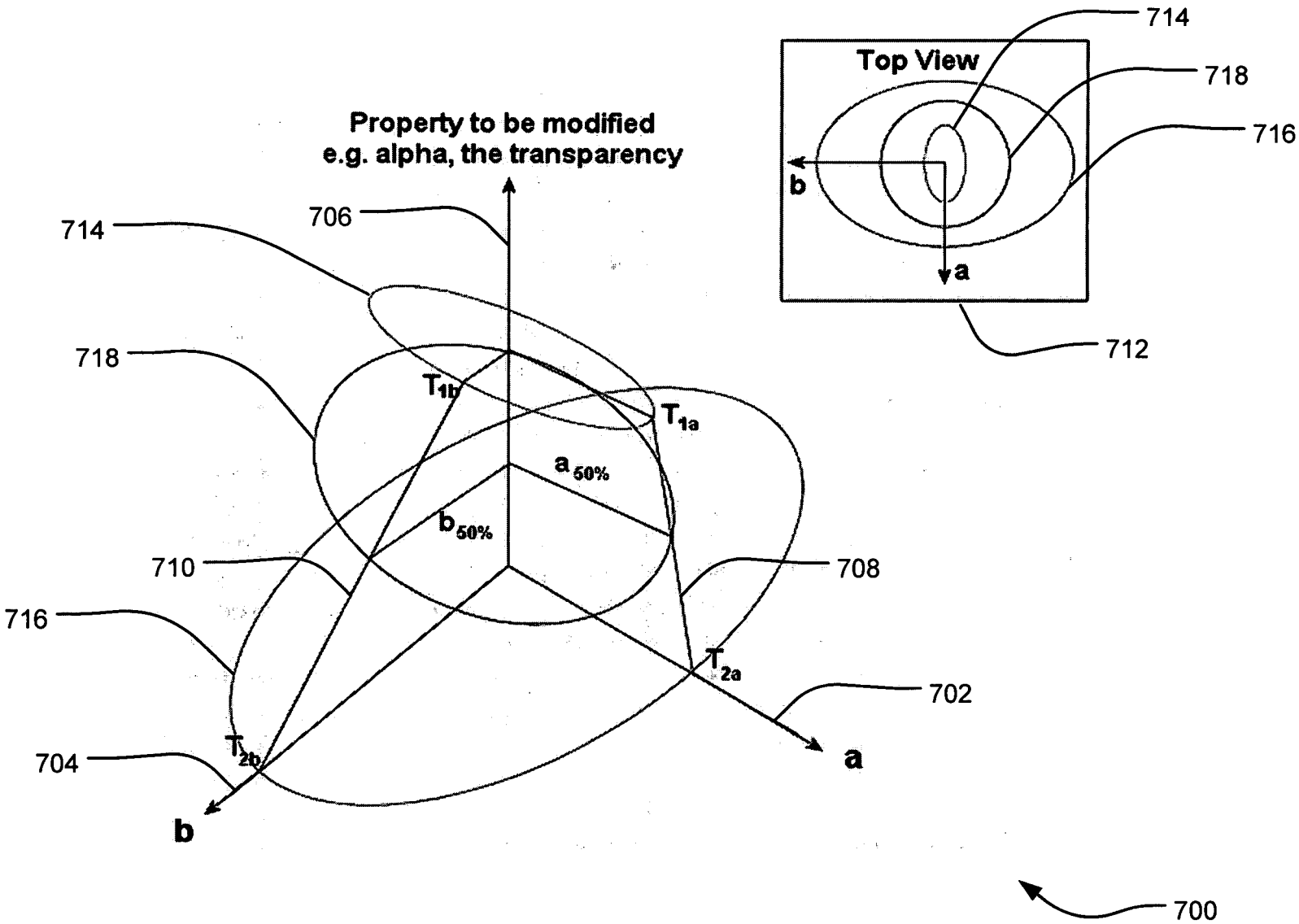

Top View
714
718
716
b
a
712
Property to be modified
e.g. alpha, the transparency
706
714
718
T_{1b}
T_{1a}
$a_{50\%}$
$b_{50\%}$
710
708
716
T_{2a}
702
T_{2b}
704
b
a
700

Fig. 7

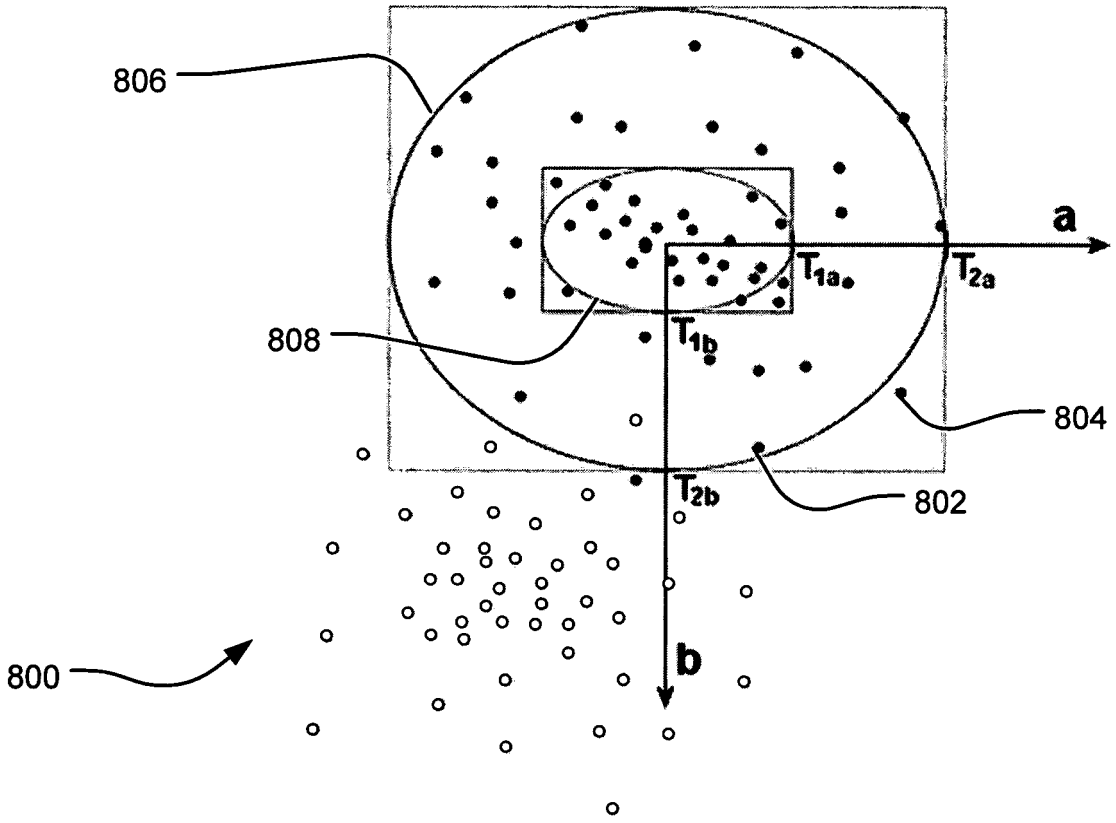
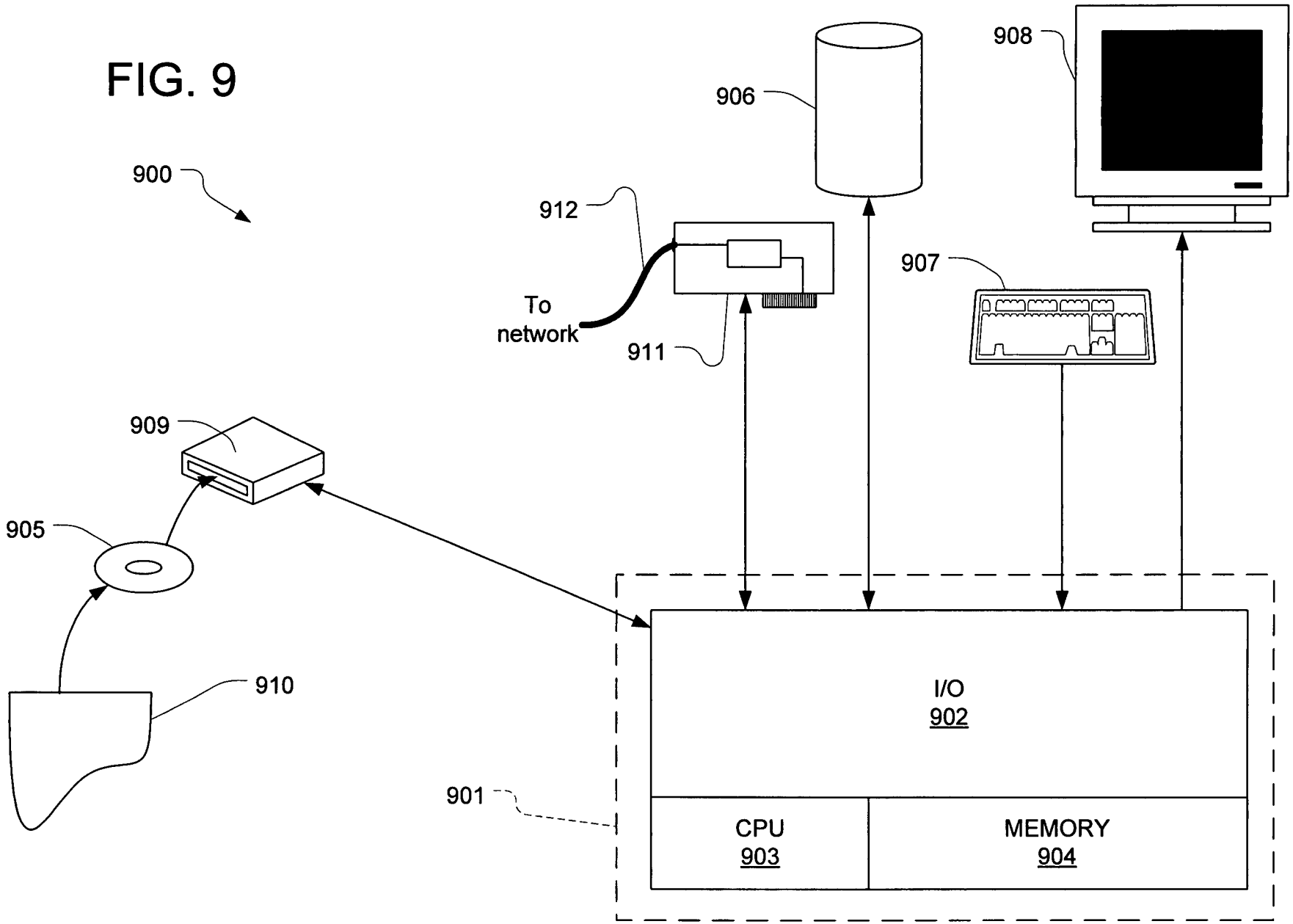

806
808
800
a
b
T_{1a}
T_{2a}
T_{1b}
T_{2b}
804
802
Class 1, e.g. background
Class 2, e.g. object

Fig. 8

FIG. 9


900
906
908
912
To network
911
907
909
905
910
I/O
902
901
CPU
903
MEMORY
904

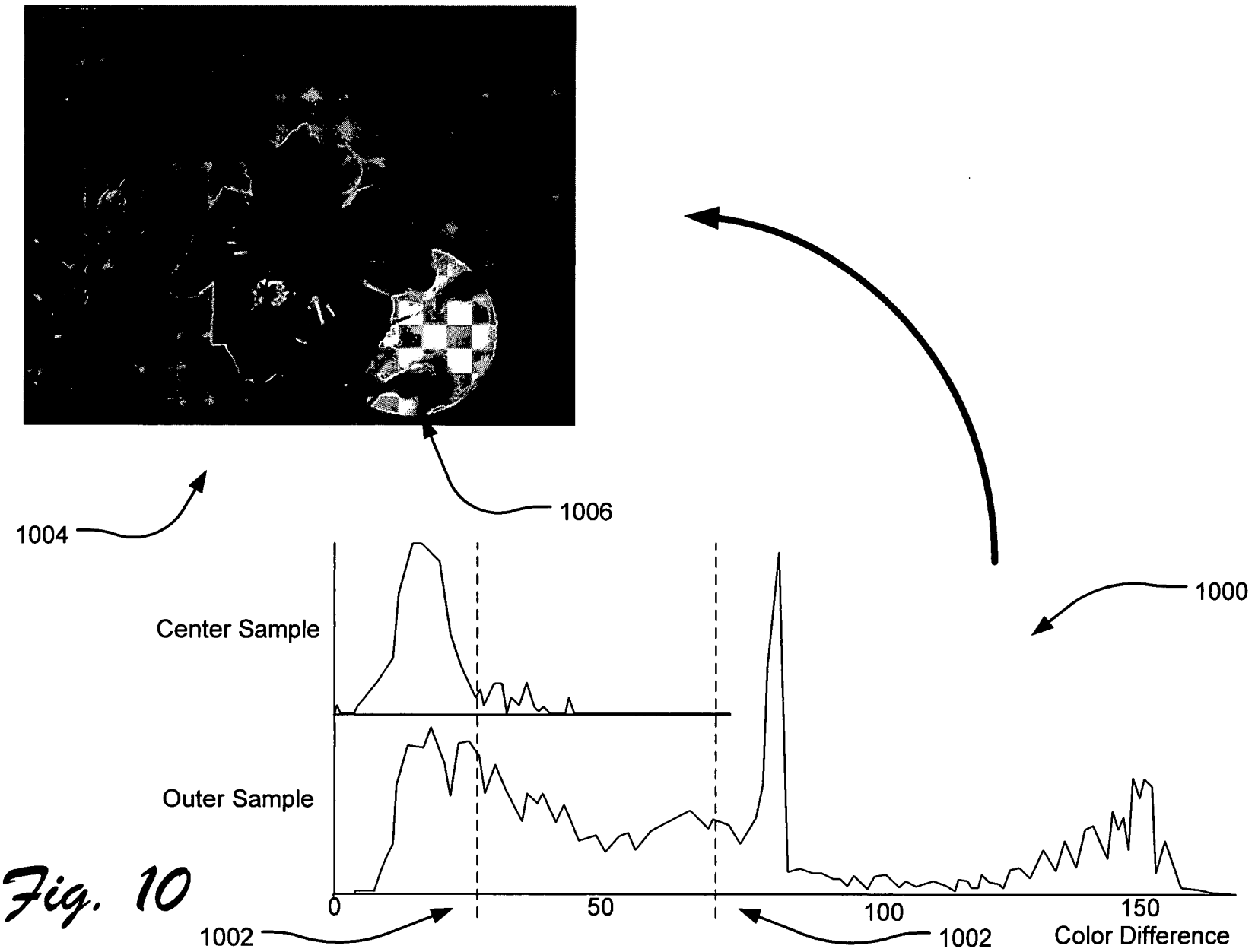

1004
1006
1000
Center Sample
Outer Sample
0
50
100
150
Color Difference
1002
1002

Fig. 10

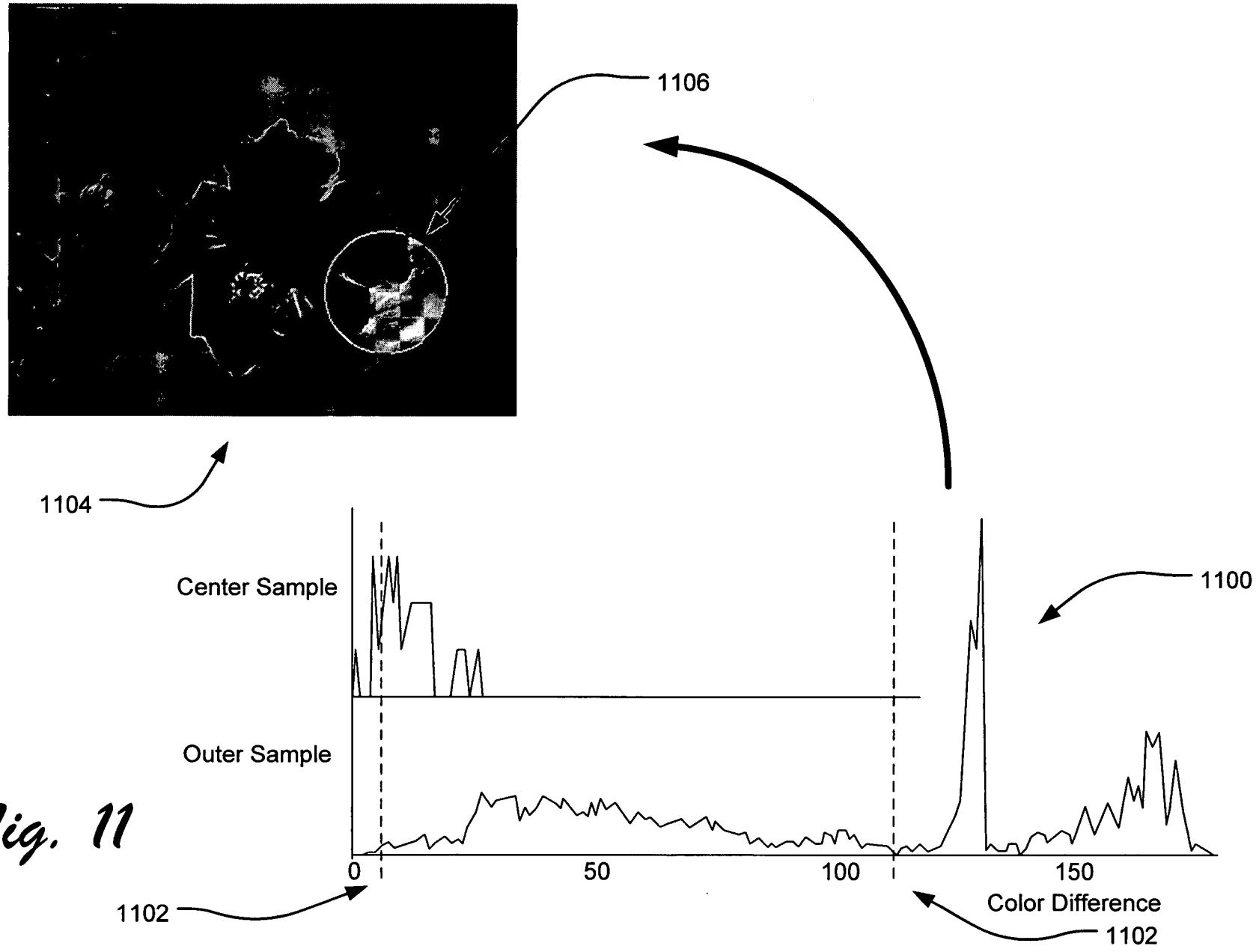

1106
1104
Center Sample
Outer Sample
1100
0
50
100
150
Color Difference
1102
1102

Fig. 11

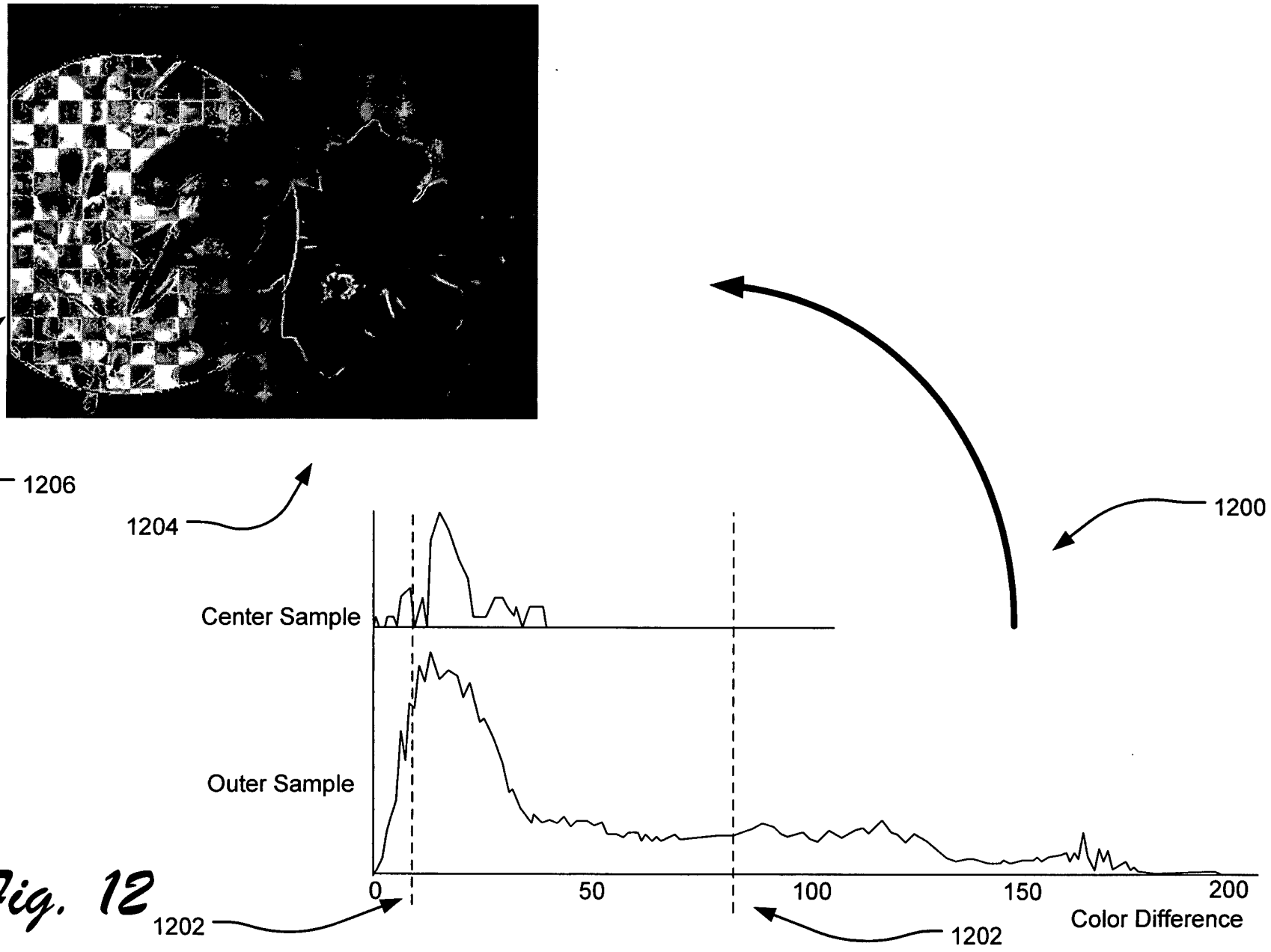

1206
1204
1200
Center Sample
Outer Sample
0
50
100
150
200
Color Difference
1202
1202

Fig. 12

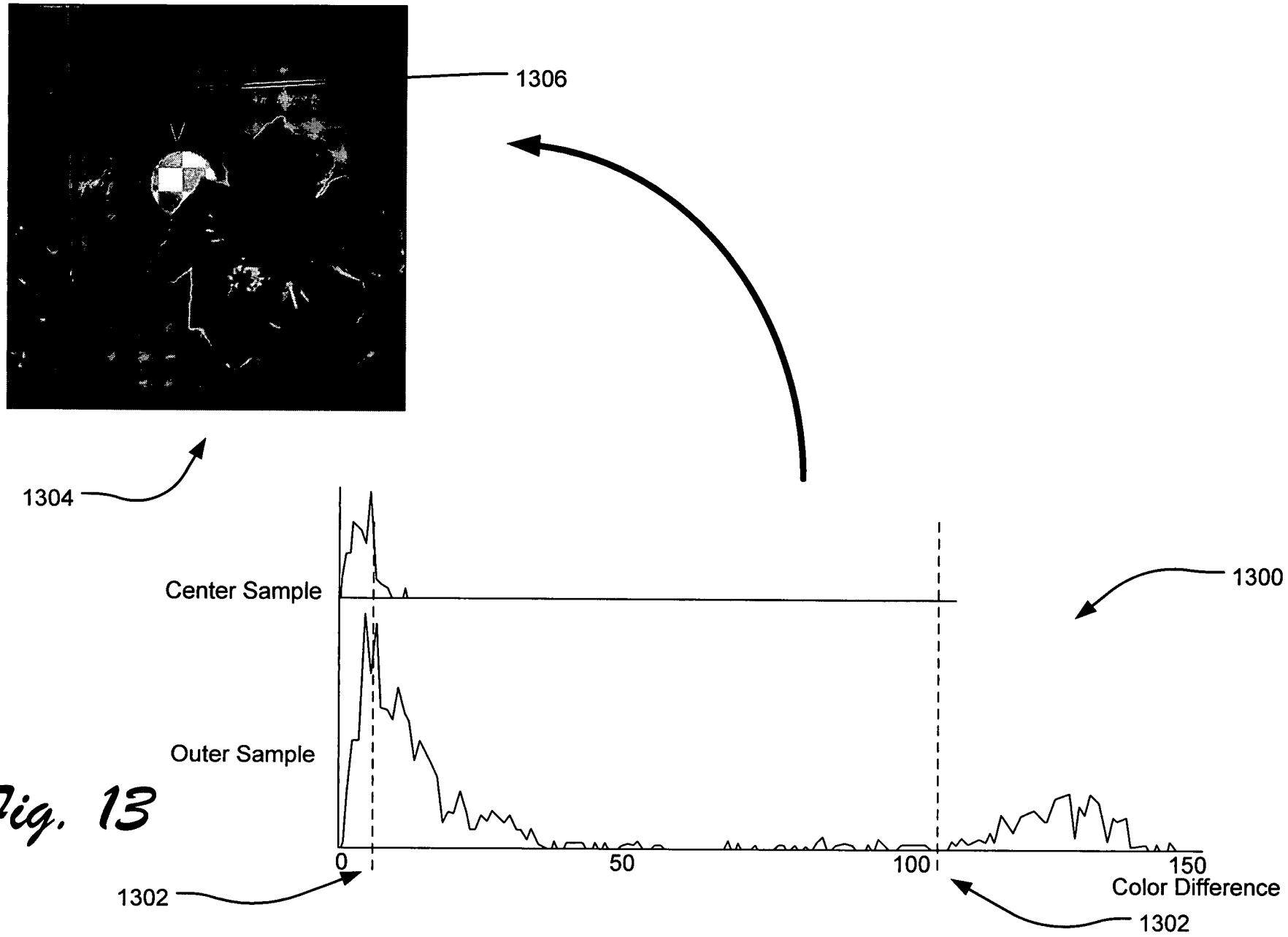

1306
1304
1300
Center Sample
Outer Sample
0
50
100
150
Color Difference
1302
1302

Fig. 13

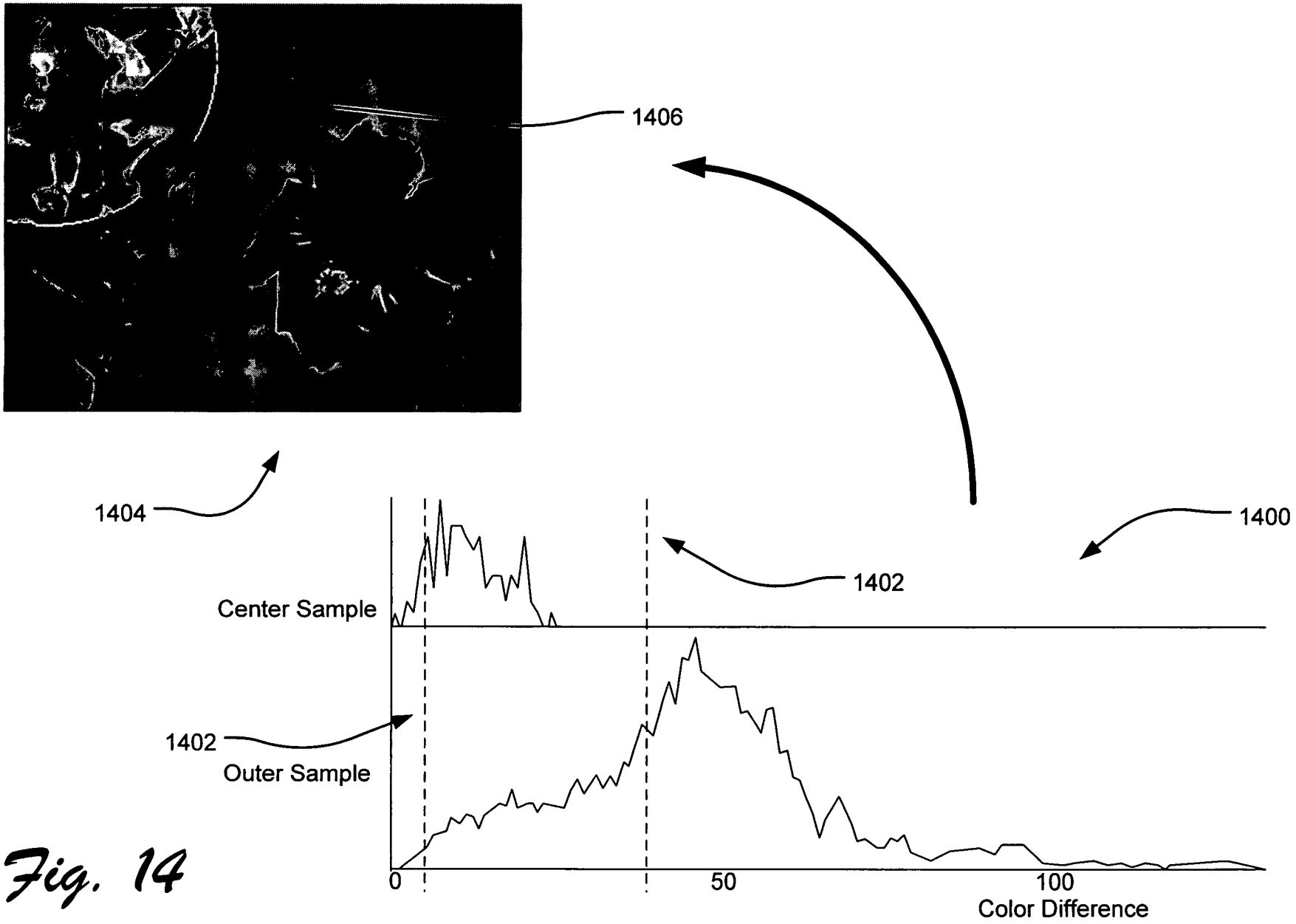

1406
1404
1400
1402
Center Sample
1402
Outer Sample
0
50
100
Color Difference

Fig. 14

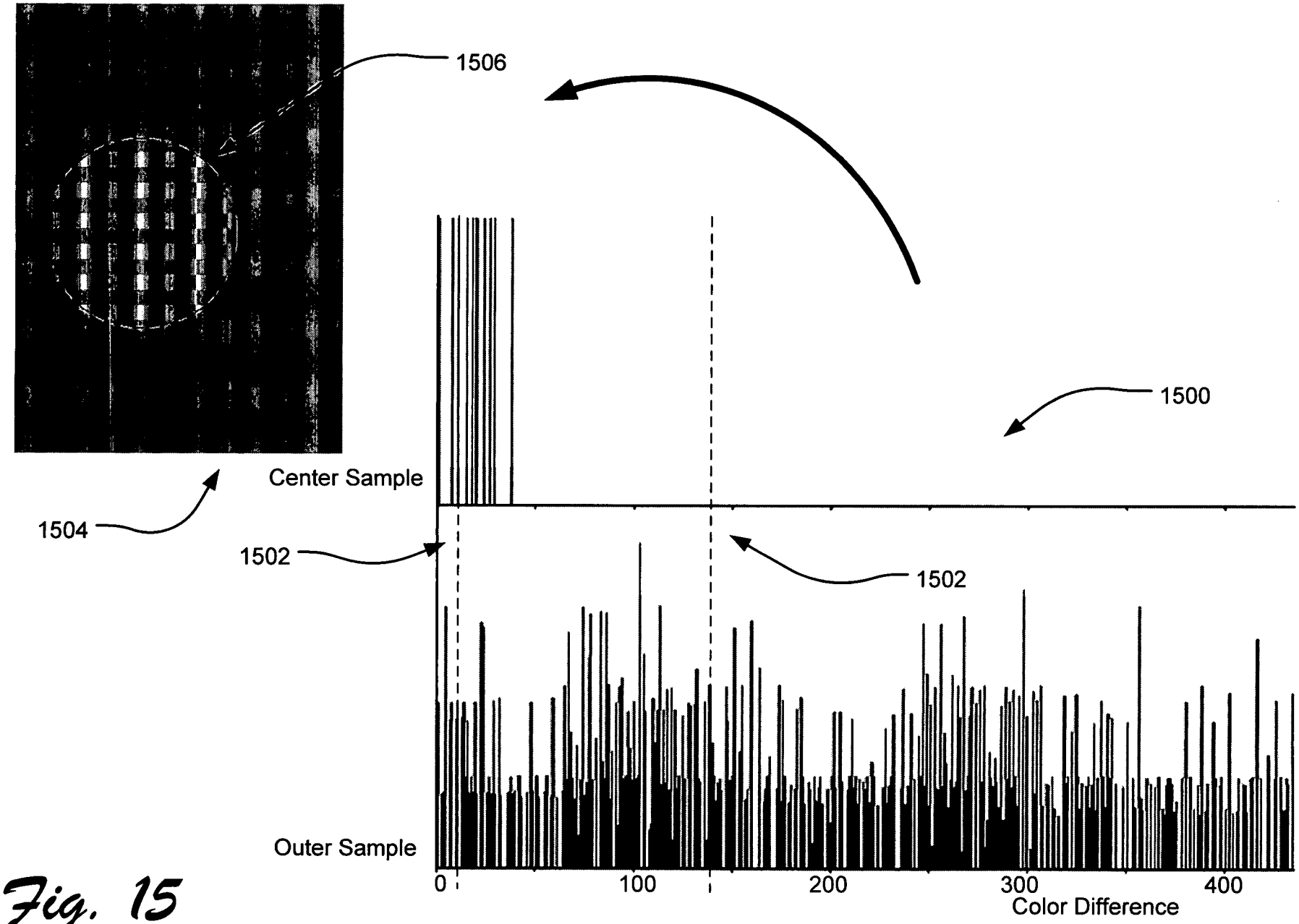

1506
1500
Center Sample
1504
1502
1502
Outer Sample
0
100
200
300
400
Color Difference

Fig. 15

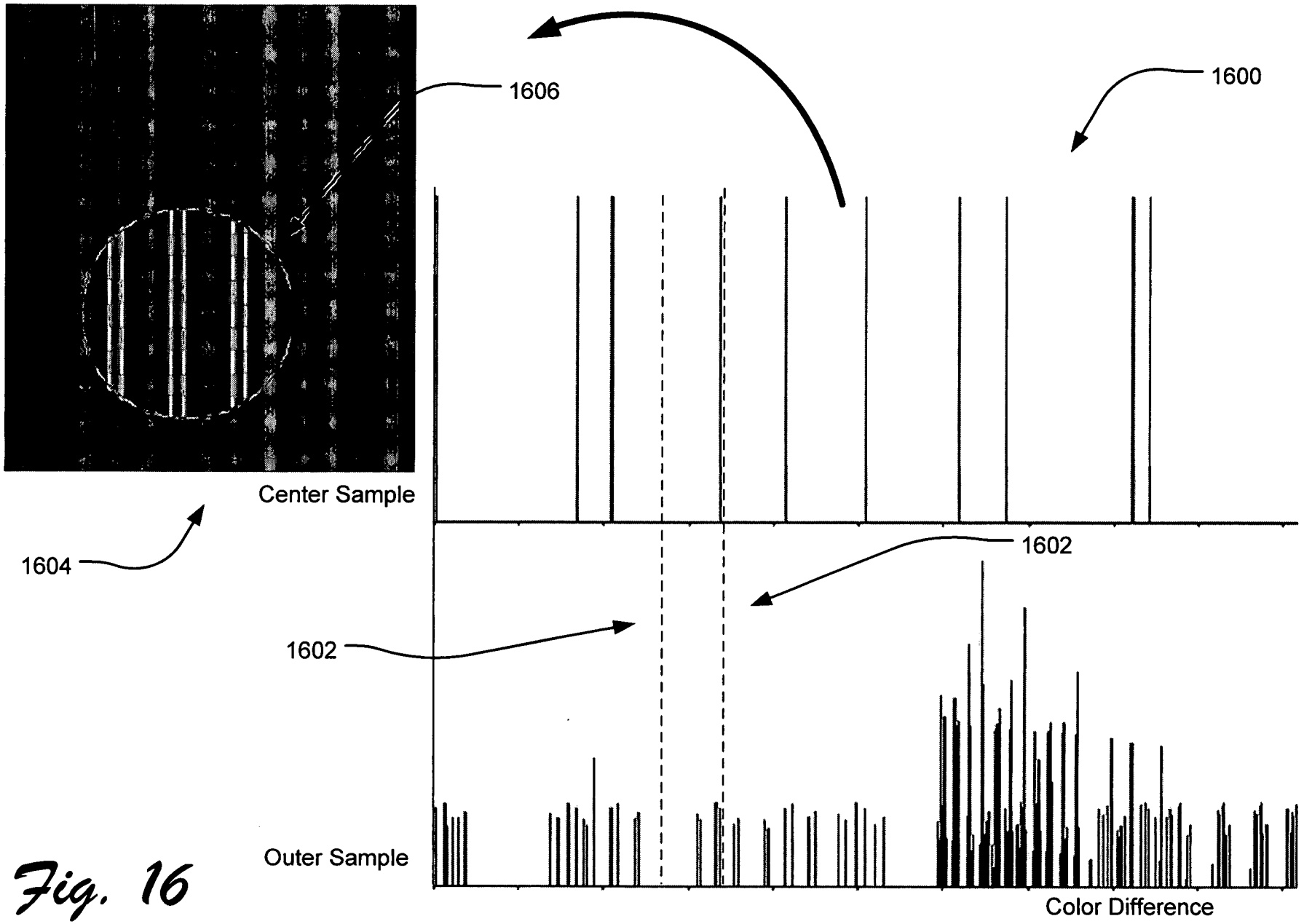

1606
1600
Center Sample
1604
1602
1602
Outer Sample
Color Difference

Fig. 16

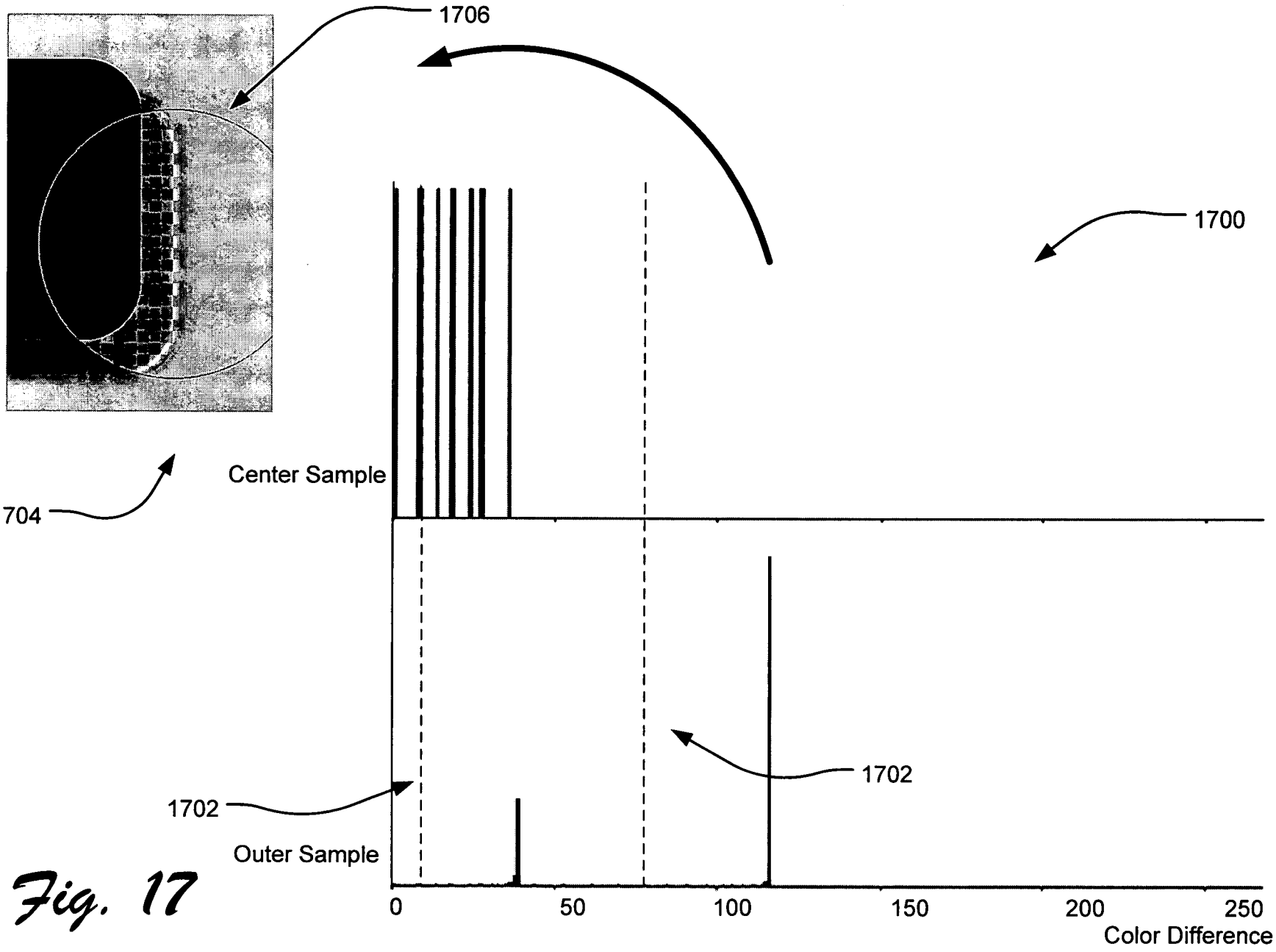

1706
1700
1704
Center Sample
1702
1702
Outer Sample
0
50
100
150
200
250
Color Difference

Fig. 17

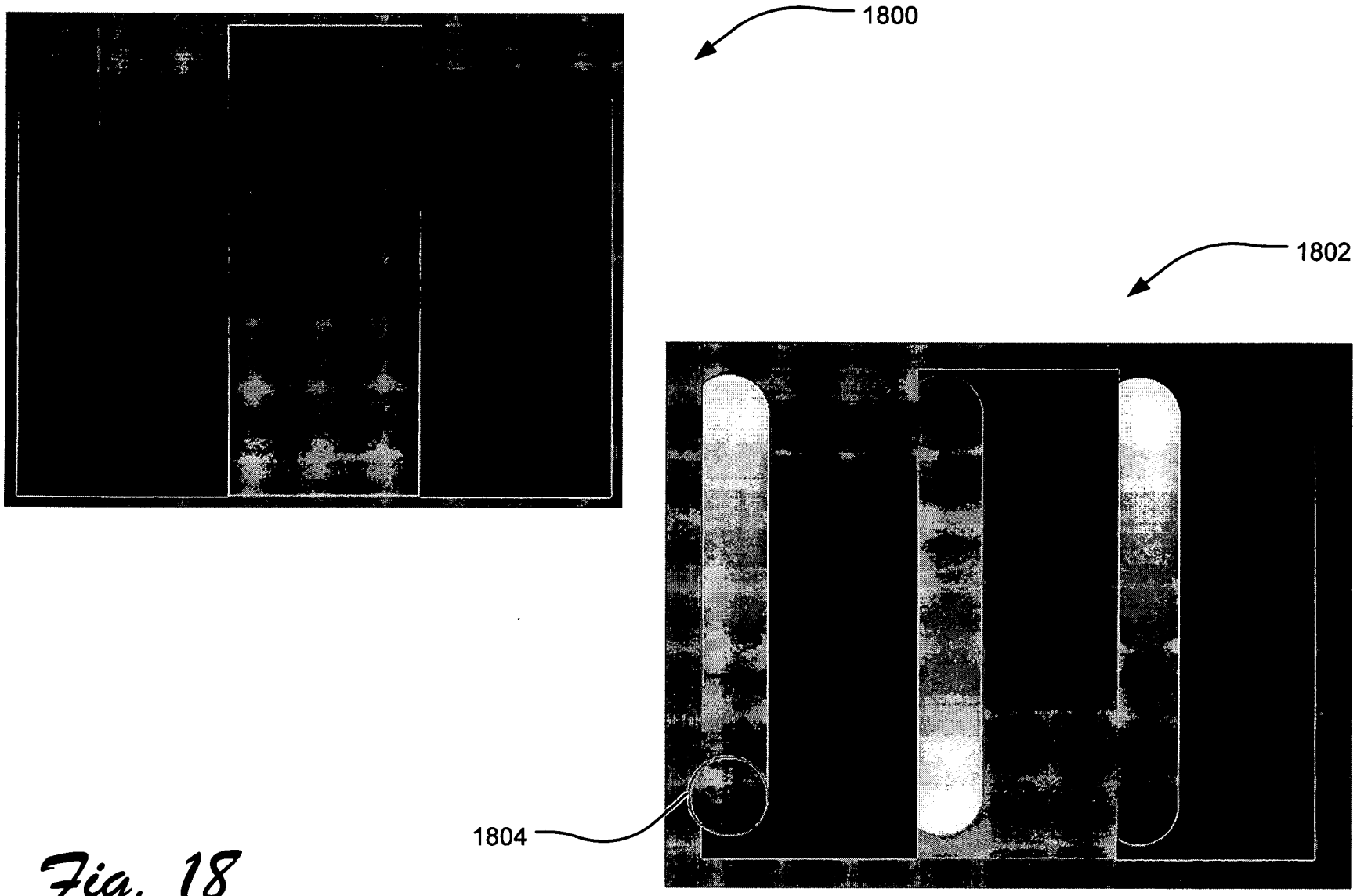


Fig. 18

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